



Substitute for form 1400 PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/810,948
Filing Date	March 25, 2004
First Named Inventor	Ismail Lakkis
Art Unit	2611
Examiner Name	Lawrence B Williams
Attorney Docket Number	00282

Sheet 01 of 17

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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		US- 6947498	09-2005	Reed	

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Application Number	10/810,948
Filing Date	March 25, 2004
First Named Inventor	Ismail Lakkis
Art Unit	2611
Examiner Name	Lawrence B Williams
Attorney Docket Number	00282

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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		US- 6952444	10-2005	Segal et al.	
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				Examiner Name	Lawrence B Williams
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Complete if Known	
		Application Number	10/810,948
		Filing Date	March 25, 2004
		First Named Inventor	Ismail Lakkis
		Art Unit	2611
		Examiner Name	Lawrence B Williams
Sheet 15	of 17	Attorney Docket Number	00282

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
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		REUTER et al., Mitigating Error Propagation Effects in a Decision Feedback Equalizer, IEEE Transactions on Communications, Vol. 49, No. 11, November 2001, Pages 2028-2041.	
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		ROHLING et al., "Mismatched-Filter Design for Periodical Binary Phased Signals", IEEE Transactions on Aerospace and Electronic Systems, Vol. 25, No. 6, Nov. 1989, pgs. 890 - 896. C. Cantoni, R.T.	

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		ZHOU et al., Space-Time Coding with Maximum Diversity Gains Over Frequency-Selective Fading Channels, IEEE Signal Processing Letters, Vol. 8, No. 10, October 2001, Pages 269-272.	

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U. S. PATENT DOCUMENTS					
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First Named Inventor	Ismail Lakkis
Art Unit	2611
Examiner Name	Lawrence B Williams
Attorney Docket Number	00282

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Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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		Application Number	10/810,948
		Filing Date	March 25, 2004
		First Named Inventor	Ismail Lakkis
		Art Unit	2611
		Examiner Name	Lawrence B Williams
Sheet 12 of 17	Attorney Docket Number		00282

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		AIJANEN, JUSSI et al. "Frame Configuration Impact to the Performance of ULTRA TDD System" University of Jyväskylä, Dep. of Mathematical Information Technology, pp. 1-5.	
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		BALAKRISHNAN, Bidirectional Decision Feedback Equalization and MIMO Channel Training, A Dissertation presented to the faculty of Graduate School of Cornell University, August 2002, 159 pages.	
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		Filing Date	March 25, 2004		
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		CELIK, A New Method to Reduce Error Propagation In Decision Feedback Equalizer, IJCI Proceedings of International Conference on Signal Processing, ISSN 1304-2386, Vol. 1, No. 2, September 2003, Pages 213-216.	
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		CHERUBINI, GIOVANNI "Hybrid TDMA/CDMA Based on Filtered Multitone Modulation for Uplink Transmission in HFC Networks" IEEE Communications Magazine, October 2003, pp. 108-115.	
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		FLEMING et al., CMOS Ultra-Wideband Localizers for Networking in the Extreme, September 10, 2001, 28 pages.	
		FUJII et al., Implementation of Space-Time Equalizer Using Multiple Single-Constrained SMI Array Processors and MLSE, IEEE Transactions on Wireless Communications, Vol. 1, No. 2, April 2002, Pages 333-341.	

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		GALLI, Optimal Non-Linear MMSE Channel Estimation for Broadband Wireless TDMA Systems and Necessity of Soft Decisions, Telcordia Technologies Inc, Morristown, New Jersey, 7 pages.	
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		First Named Inventor	Ismail Lakkis
		Art Unit	2611
Examiner Name	Lawrence B Williams		
Attorney Docket Number	00282		
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		O'DONNELL, et al., An Integrated, Low-Power, Ultra-Wideband Transceiver Architecture for Low-Rate Indoor Wireless Systems, IEEE CAS Workshop on Wireless Communications and Networking, September 4-5th, 2002, 23 pages, Pasadena.	
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